A System View of Communications: from Signals to Packets (ELEC1200)

Start date: 07/09/2020, End date: 05/12/2020
Platform: edX

Hong Kong University of Science and Technology

COURSE SYNOPSIS

Domain: Engineering
Title(s) of the course(s) as it appears on the platform: A System View of Communications: from Signals to Packets Parts 1-3
Language (ISO-639-1 code): en

Short description of the course: This course gives students an understanding of the basic engineering tools used and the fundamental tradeoffs encountered in the design of modern communications systems.

Instructor(s): Professor Bert Shi, Professor S H Song
Level: BA1
ECTS: 4.0
Workload in student hours: 163.0
Semester: 1: jan-june

Full course description: Have you ever wondered what technologies go into your mobile phone or a WiFi hotspot? Through hands on work with a communication system, you will understand the basic engineering tools used and tradeoffs encountered in the design of these systems. The course covers communication over a point-to-point link, over a shared link, and over a network.

Prerequisites: Basic knowledge of programming, single variable calculus

Link to course on platform: https://courses.edx.org/courses/course-v1:HKUSTx+ELEC1200.1x+1T2018/course/, https://courses.edx.org/courses/course-v1:HKUSTx+ELEC1200.2x+1T2018/course/

Link to course in University study plan: 

Course registration opening date: 30/07/2020
Course registration deadline: 03/08/2020
Course withdraw date: 15/02/2020
Midterm: Yes
Midterm details: 50 minutes - 23-27 Mar 2020
Exam period start: 10/12/2020
Exam period end: 22/12/2020
Exam date: -

Exam timing: Asynchronous (exam can take place at different dates and times)

Exam start time: -

Exam end time: -

Time zone (at the time of the exam, DST): UTC+8

Exam registration date: -

Exam resit available: No

Exam resit period start: -

Exam resit period end: -

Exam resit date: -

Exam resit time start: -

Exam resit time end: -

Time zone (at the time of the resit of the exam, DST): UTC+8

Final exam type: Written

Final exam details: 2 hours, Closed books and closed notes NO paper or calculator is allowed NO electronic device with communication capability is allowed

Exam requirements for home university (computer, VOIP, recording materials): 2 hours, Closed books and closed notes NO paper or calculator is allowed NO electronic device with communication capability is allowed

Cap (maximum number of exchange students): 50.0

Offered to which partners: -, All partners of the Alliance(s) selected above

Link to course image: https://drive.google.com/open?id=1XqtetPS3HN5IHLbe6ucnTyTTgoIWI49